

# MATERIAL SAFETY DATA SHEET

## Ultima Total Control Shock and Algaecide

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|---|---|
| <b>1. Product And Company Identification</b>  |   |
| <b>Supplier</b><br>Advantis Technologies, Inc.<br>1400 Bluegrass Lakes Parkway<br>Alpharetta, GA 30004 United States<br><br>Telephone Number: (770) 521-5999<br>FAX Number: (770) 521-5959<br>Web Site: www.poolspacare.com | <b>Manufacturer</b><br>Advantis Technologies, Inc.<br>1400 Bluegrass Lakes Parkway<br>Alpharetta, GA 30004 United States<br><br>Telephone Number: (770) 521-5999<br>FAX Number: (770) 521-5959<br>Web Site: www.poolspacare.com |
| <b>Supplier Emergency Contacts &amp; Phone Number</b><br>CHEMTREC - DAY OR NIGHT: (800) 424-9300  | <b>Manufacturer Emergency Contacts &amp; Phone Number</b><br>CHEMTREC - DAY OR NIGHT: (800) 424-9300  |
| Issue Date: 09/10/2004<br><br>Product Name: Ultima Total Control Shock and Algaecide<br>Chemical Family: Algaecide<br>MSDS Number: 122  |   |

| <b>2. Composition/Information On Ingredients</b>   |            |  |                         |
|--|------------|--|-------------------------|
| Ingredient Name  | CAS Number |  | Percent Of Total Weight |
| COPPERSULFATEPENTAHYDRATE  | 7758-98-7  |  |                         |
| SODIUM DICHLOROISOCYANURATEDIHYDRATE   | 51580-86-0 |  |                         |
| Ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200. Materials determined to be health hazards are listed if they comprise 1% or more of the composition. Materials identified as carcinogens are listed if they comprise 0.1% or more of the composition. Information on proprietary materials is available in 29CFR 1910.1200(i)(1). |            |  |                         |

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| <b>3. Hazards Identification</b>  |
| <b>Primary Routes(s) Of Entry</b><br>Skin Contact, Inhalation                               |
| <b>Eye Hazards</b><br>Can cause severe eye irritation and/or burns.                         |
| <b>Skin Hazards</b><br>Can cause severe skin irritation and/or burns.                       |
| <b>Ingestion Hazards</b><br>Can cause digestive tract burns.                                |
| <b>Inhalation Hazards</b><br>Can causes respiratory tract irritation.                       |
| <b>Signs And Symptoms</b><br>Irritation of eyes and respiratory passages.                   |
| <b>Conditions Aggravated By Exposure</b><br>Asthma, respiratory and cardiovascular disease. |

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| <b>First Aid (Pictograms)</b><br> |
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### 4. First Aid Measures

#### Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

#### Skin

In case of contact, immediately flush skin with soap and plenty of water.

#### Ingestion

Wash mouth thoroughly with plenty of water. Drink large amounts of water. Avoid Alcohol. Contact a physician or poison control.

#### Inhalation

If inhaled, remove to fresh air.

### Fire Fighting (Pictograms)



### 5. Fire Fighting Measures

**Flash Point:** n/a °F

#### Extinguishing Media

In case of fire, soak (flood) with water. CAUTION DO NOT USE DRY CHEMICAL

#### Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

### 6. Accidental Release Measures

Do not apply water unless directed to do so by a hazardous materials expert. Clean up spill immediately. Sweep up and remove immediately. Use appropriate containers to avoid environmental contamination.

### Handling & Storage (Pictograms)



### 7. Handling And Storage

#### Handling And Storage Precautions

**Keep out of reach of children.** Store material in a cool and dry place.

#### Storage Precautions

Keep out of reach of children. Store in a cool dry place. Do not Reuse container. Keep away from other types of chlorinated compounds and organic material. KEEP AWAY FROM AMMONIA AND AMMONIA COMPOUNDS.

#### Work/Hygienic Practices

Use safe chemical handling procedures suitable for the hazards presented by this material.

### Protective Clothing (Pictograms)



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| <b>8. Exposure Controls/Personal Protection</b>  |
| <b>Engineering Controls</b><br>Assure good general ventilation.  |
| <b>Eye/Face Protection</b><br>Safety glasses with side shields or goggles.   |
| <b>Skin Protection</b><br>Chemical-resistant gloves. Wear long sleeves.  |
| <b>Respiratory Protection</b><br>USBM approved respirator with appropriate canister. When dusty conditions are encountered, wear an approved respirator with chlorine cartridge for protection against chlorine gas and dust/mist per-filters. |
| <b>9. Physical And Chemical Properties</b>   |
| <b>Appearance</b><br>White and Blue Granules   |
| <b>Odor</b><br>Mild chlorine-like odor.  |
| <b>Chemical Type:</b> Mixture  |
| <b>Physical State:</b> Solid   |
| <b>Melting Point:</b> Decomposes °F  |
| <b>Boiling Point:</b> n/a °F   |
| <b>Specific Gravity:</b> 1.029   |
| <b>Molecular Weight:</b> NOT DETERMINED  |
| <b>Percent Volitales:</b> NOT VOLATILE   |
| <b>Vapor Pressure:</b> NOT VOLATILE  |
| <b>pH Factor:</b> 7-7.5 At a Concentration Of 1% solution in water   |
| <b>Solubility:</b> 20% IN WATER  |
| <b>Evaporation Rate:</b> > Water   |
| <b>10. Stability And Reactivity</b>  |
| <b>Stability:</b> STABLE   |
| <b>Hazardous Polymerization:</b> WILL NOT OCCUR  |
| <b>Conditions To Avoid (Stability)</b><br>Heating above 240C (464F).   |
| <b>Incompatible Materials</b><br>Organic materials, reducing agents, nitrogen containing materials, other oxidizers, acids, bases, oils, grease, sawdust, dry fire extinguishers containing monoammonium compounds.                            |
| <b>Hazardous Decomposition Products</b><br>Nitrogen trichloride, chlorine, carbon monoxide.  |
| <b>11. Toxicological Information</b>   |
| No Data Available...   |
| <b>12. Ecological Information</b>  |
| No Data Available...   |
| <b>13. Disposal Considerations</b>   |
| Dispose in accordance with applicable federal, state and local government regulations.   |

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### 14. Transport Information

#### Proper Shipping Name

Environmentally Hazardous Substance, Solid, n.o.s. (contains hydrated form of Cupric Sulfate), Marine Pollutant

#### Hazard Class

9, PGIII

#### DOT Identification Number

UN3077

#### Additional Shipping Paper Description

North American Emergency Response Guide No. 171

Not regulated by DOT for ground or air shipments [see exception for marine pollutants 49 CFR 171.4(c)].

### 15. Regulatory Information

No Data Available...

#### NFPA



#### HMIS

|                     |   |
|---------------------|---|
| HEALTH              | 2 |
| FLAMMABILITY        | 0 |
| REACTIVITY          | 1 |
| PERSONAL PROTECTION | C |

### 16. Other Information

#### Revision/Preparer Information

MSDS Preparer: JHW

This MSDS Superceeds A Previous MSDS Dated: 11/03/2000

#### Disclaimer

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Advantis Technologies, Inc.